

STN SEARCH HISTORY

=> file registry

FILE 'REGISTRY' ENTERED AT 15:35:57 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JUN 2011 HIGHEST RN 1311030-93-9
DICTIONARY FILE UPDATES: 30 JUN 2011 HIGHEST RN 1311030-93-9

CAS Information Use Policies apply and are available at:

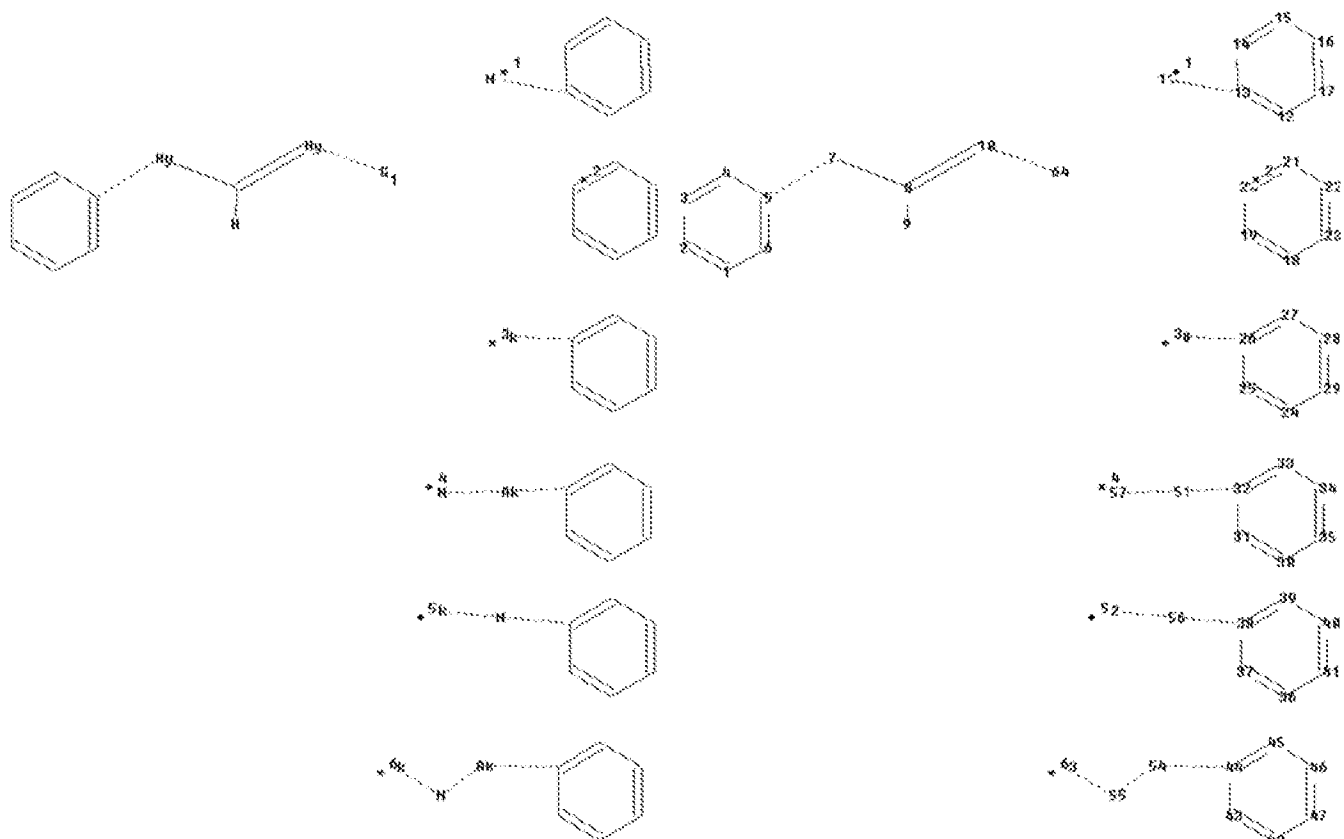
<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH January 14, 2011.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>
Uploading L3.str



chain nodes :

7 8 9 10 11 50 51 52 53 54 55 56 57 64

ring nodes :

1 2 3 4 5 6 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

27

28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46

47

chain bonds :

5-7 7-8 8-9 8-10 10-64 11-13 26-50 32-51 38-56 44-54 51-57 52-56

53-55

54-55

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19

18-23

19-20 20-21 21-22 22-23 24-25 24-29 25-26 26-27 27-28 28-29 30-31

30-35 31-32 32-33

33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41 42-43 42-47 43-44

44-45 45-46 46-47

exact/norm bonds :

5-7 7-8 8-10 10-64 11-13 26-50 32-51 38-56 44-54 51-57 52-56 53-55

54-55

exact bonds :

8-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19

18-23
 19-20 20-21 21-22 22-23 24-25 24-29 25-26 26-27 27-28 28-29 30-31
 30-35 31-32 32-33
 33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41 42-43 42-47 43-44
 44-45 45-46 46-47

isolated ring systems :
 containing 1 : 12 : 18 : 24 : 30 : 36 : 42 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]

Match level :

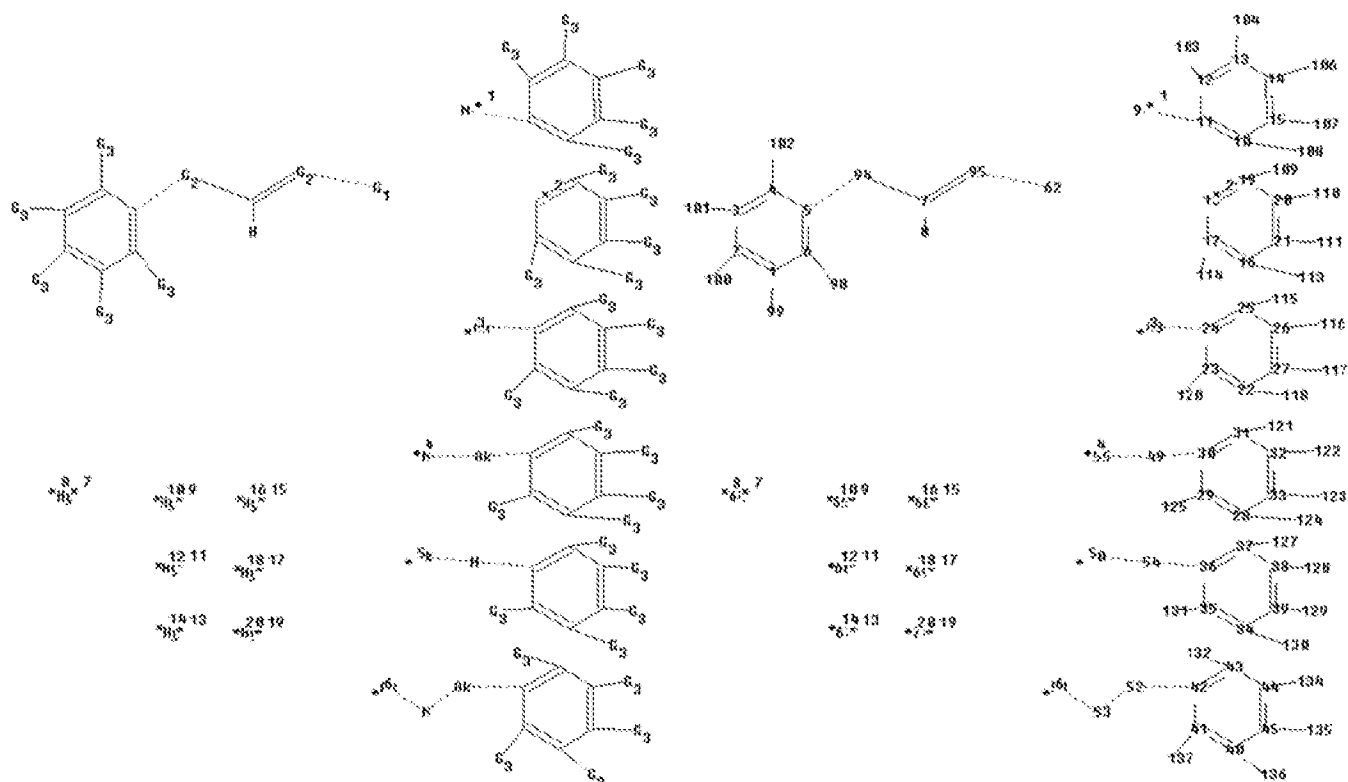
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS
 10:Atom
 11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
 19:Atom 20:Atom 21:Atom
 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
 30:Atom 31:Atom 32:Atom
 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
 41:Atom 42:Atom 43:Atom
 44:Atom 45:Atom 46:Atom 47:Atom 50:CLASS 51:CLASS 52:CLASS 53:CLASS
 54:CLASS 55:CLASS
 56:CLASS 57:CLASS 64:CLASS

Element Count :

Node 7: Limited
 C,C4

Node 10: Limited
 C,C4

Uploading L10.str



chain nodes :

7 8 9 48 49 50 51 52 53 54 55 62 64 65 66 67 68 69 70 94
95
98 99 100 101 102 103 104 106 107 108 109 110 111 113 114 115
116 117 118 120 121
122 123 124 125 127 128 129 130 131 132 134 135 136 137

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
45

chain bonds :

1-99 2-100 3-101 4-102 5-94 6-98 7-8 7-95 7-94 9-11 10-108 12-103
13-104
14-106 15-107 16-113 17-114 19-109 20-110 21-111 22-118 23-120 24-48
25-115 26-116
27-117 28-124 29-125 30-49 31-121 32-122 33-123 34-130 35-131 36-54
37-127 38-128 39-129
40-136 41-137 42-52 43-132 44-134 45-135 49-55 50-54 51-53 52-53
62-95

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 16-17
16-21
17-18 18-19 19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27 28-29
28-33 29-30 30-31
31-32 32-33 34-35 34-39 35-36 36-37 37-38 38-39 40-41 40-45 41-42
42-43 43-44 44-45

exact/norm bonds :

1-99 2-100 3-101 4-102 5-94 6-98 7-95 7-94 9-11 10-108 12-103 13-104
 14-106 15-107 16-113 17-114 19-109 20-110 21-111 22-118 23-120 24-48
 25-115 26-116 27-117
 28-124 29-125 30-49 31-121 32-122 33-123 34-130 35-131 36-54 37-127
 38-128 39-129 40-136
 41-137 42-52 43-132 44-134 45-135 49-55 50-54 51-53 52-53 62-95

exact bonds :

7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 16-17
 16-21
 17-18 18-19 19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27 28-29
 28-33 29-30 30-31
 31-32 32-33 34-35 34-39 35-36 36-37 37-38 38-39 40-41 40-45 41-42
 42-43 43-44 44-45

isolated ring systems :

containing 1 : 10 : 16 : 22 : 28 : 34 : 40 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]

G2:[*7-*8],[*9-*10],[*11-*12],[*13-*14],[*15-*16],[*17-*18],[*19-*20]

G3:H,CO2H,X,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
 19:Atom 20:Atom 21:Atom
 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
 30:Atom 31:Atom 32:Atom
 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
 41:Atom 42:Atom 43:Atom
 44:Atom 45:Atom 48:CLASS 49:CLASS 50:CLASS 51:CLASS 52:CLASS 53:CLASS
 54:CLASS 55:CLASS
 62:CLASS 64:Atom 65:Atom 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom
 94:CLASS 95:CLASS 98:CLASS
 99:CLASS 100:CLASS 101:CLASS 102:CLASS 103:CLASS 104:CLASS 106:CLASS
 107:CLASS 108:CLASS
 109:CLASS 110:CLASS 111:CLASS 113:CLASS 114:CLASS 115:CLASS 116:CLASS
 117:CLASS 118:CLASS
 120:CLASS 121:CLASS 122:CLASS 123:CLASS 124:CLASS 125:CLASS 127:CLASS
 128:CLASS 129:CLASS
 130:CLASS 131:CLASS 132:CLASS 134:CLASS 135:CLASS 136:CLASS 137:CLASS

Generic attributes :

64:

Number of Hetero Atoms : Exactly 1

Element Count :

Node 64: Limited

C,C4

Node 65: Limited

C,C3

O,O2
S,S0
N,N0

Node 66: Limited

C,C3
S,S2
N,N0
O,O0

Node 67: Limited

C,C3
N,N2
S,S0
O,O0

Node 68: Limited

C,C3
O,O1
S,S1
N,N0

Node 69: Limited

C,C3
O,O1
N,N1
S,S0

Node 70: Limited

C,C3
S,S1
N,N1
O,O0

=> file zcaplus

FILE 'ZCAPLUS' ENTERED AT 15:36:00 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS is strictly prohibited.

FILE COVERS 1907 - 1 Jul 2011 VOL 155 ISS 2

FILE LAST UPDATED: 30 Jun 2011 (20110630/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2011

ZCaplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d stat que L69
L3 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L6 SCR 1841
L8 SCR 1868
L10 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L12 SCR 1856
L14 11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND L12)
L15 860 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L14
L64 310 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON MACKERELL A?/AU,AUTH
L65 1594 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON HAYASHI J?/AU,AUTH
L66 15 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON NAGARSEKAR
A?/AU,AUTH

L67 2626 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON HUANG N?/AU,AUTH
L68 529 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON MACIAS A?/AU,AUTH
L69 6 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (L64 OR L65 OR L66
OR
L67 OR L68) AND L15

=> d stat que L77
L64 310 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON MACKERELL A?/AU,AUTH
L65 1594 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON HAYASHI J?/AU,AUTH
L66 15 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON NAGARSEKAR
A?/AU,AUTH

L67 2626 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON HUANG N?/AU,AUTH
L68 529 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON MACIAS A?/AU,AUTH
L70 28 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L64 AND (L65 OR L66
OR L67 OR L68)
L71 4 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L65 AND (L66 OR L67
OR L68)
L72 2 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L66 AND (L67 OR L68)
L73 1 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L67 AND L68
L74 4 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L70 AND (L71 OR L72

```

OR L73)
L75      2 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L71 AND (L72 OR L73)
L76      1 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L72 AND L73
L77      4 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (L74 OR L75 OR L76)

```

=> d stat que L80

```

L64      310 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  MACKERELL A?/AU,AUTH
L65     1594 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  HAYASHI J?/AU,AUTH
L66      15 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  NAGARSEKAR
A?/AU,AUTH

```

```

L67     2626 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  HUANG N?/AU,AUTH
L68     529 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  MACIAS A?/AU,AUTH
L80      9 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (L64 OR L65 OR L66
OR

```

L67 OR L68) AND P56?

=> s L69 or L77 or L80

```

L86      11 L69 OR L77 OR L80

```

=> file medline embase biosis wpix

FILE 'MEDLINE' ENTERED AT 15:36:31 ON 01 JUL 2011

FILE 'EMBASE' ENTERED AT 15:36:31 ON 01 JUL 2011

Copyright (c) 2011 Elsevier B.V. All rights reserved.

FILE 'BIOSIS' ENTERED AT 15:36:31 ON 01 JUL 2011

Copyright (c) 2011 The Thomson Corporation

FILE 'WPIX' ENTERED AT 15:36:31 ON 01 JUL 2011

COPYRIGHT (C) 2011 THOMSON REUTERS

=> d stat que L78

```

L64      310 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  MACKERELL A?/AU,AUTH
L65     1594 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  HAYASHI J?/AU,AUTH
L66      15 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  NAGARSEKAR
A?/AU,AUTH

```

```

L67     2626 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  HUANG N?/AU,AUTH
L68     529 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  MACIAS A?/AU,AUTH
L70      28 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L64 AND (L65 OR L66
OR L67 OR L68)
L71      4 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L65 AND (L66 OR L67
OR L68)
L72      2 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L66 AND (L67 OR L68)
L73      1 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L67 AND L68
L74      4 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L70 AND (L71 OR L72
OR L73)
L75      2 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L71 AND (L72 OR L73)
L76      1 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L72 AND L73
L77      4 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (L74 OR L75 OR L76)
L78      7 SEA L77

```

=> d stat que L79

L64 310 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON MACKERELL A?/AU,AUTH
L65 1594 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON HAYASHI J?/AU,AUTH
L66 15 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON NAGARSEKAR
A?/AU,AUTH

L67 2626 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON HUANG N?/AU,AUTH
L68 529 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON MACIAS A?/AU,AUTH
L79 18 SEA (L64 OR L65 OR L66 OR L67 OR L68) AND P56?

=> s L78 or L79

L87 18 L78 OR L79

=> dup rem L86 L87

FILE 'ZCAPLUS' ENTERED AT 15:36:51 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'MEDLINE' ENTERED AT 15:36:51 ON 01 JUL 2011

FILE 'EMBASE' ENTERED AT 15:36:51 ON 01 JUL 2011
Copyright (c) 2011 Elsevier B.V. All rights reserved.

FILE 'BIOSIS' ENTERED AT 15:36:51 ON 01 JUL 2011
Copyright (c) 2011 The Thomson Corporation

FILE 'WPIX' ENTERED AT 15:36:51 ON 01 JUL 2011
COPYRIGHT (C) 2011 THOMSON REUTERS
PROCESSING COMPLETED FOR L86
PROCESSING COMPLETED FOR L87

L88 16 DUP REM L86 L87 (13 DUPLICATES REMOVED)
ANSWERS '1-11' FROM FILE ZCAPLUS
ANSWERS '12-16' FROM FILE BIOSIS

=> file registry

FILE 'REGISTRY' ENTERED AT 15:38:02 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JUN 2011 HIGHEST RN 1311030-93-9
DICTIONARY FILE UPDATES: 30 JUN 2011 HIGHEST RN 1311030-93-9

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

TSCA INFORMATION NOW CURRENT THROUGH January 14, 2011.

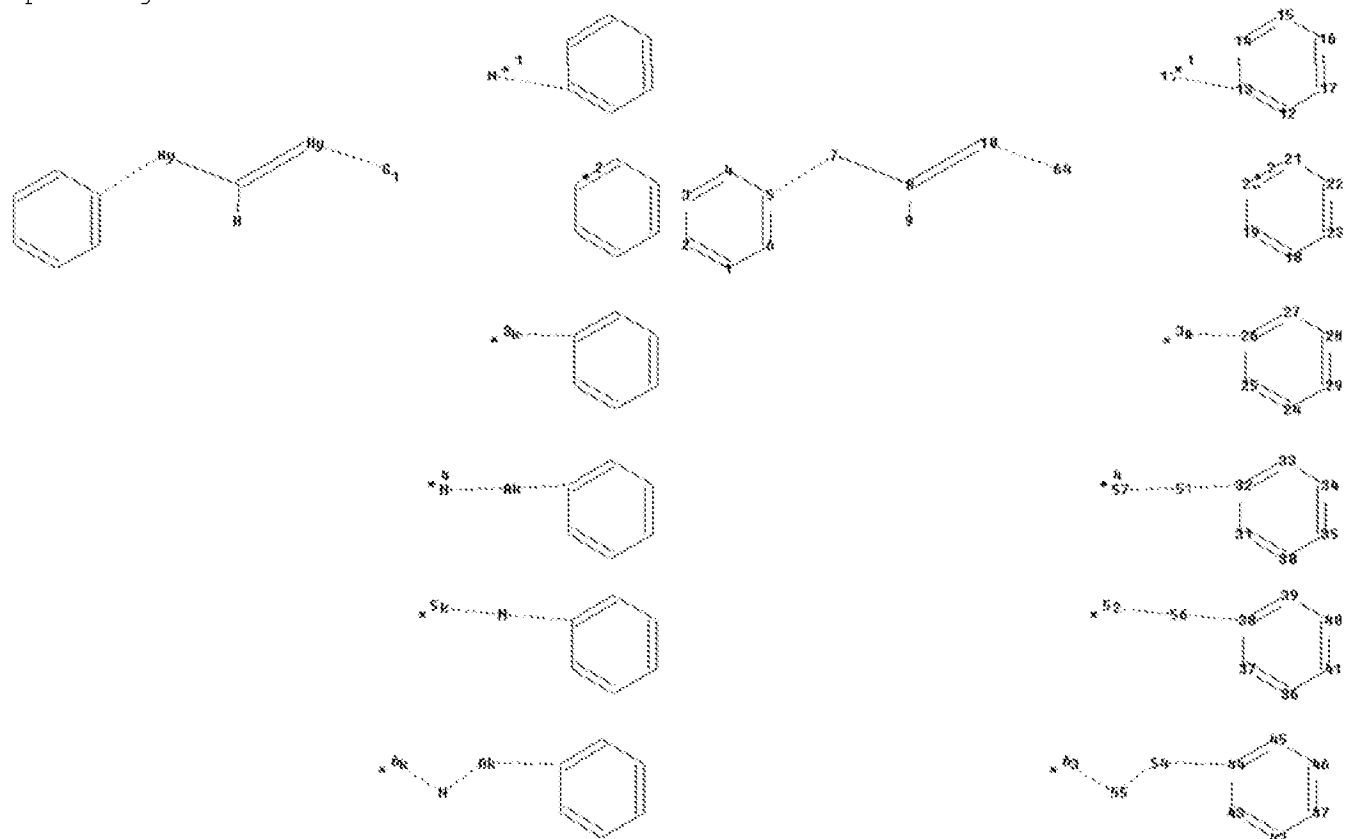
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

Uploading L3.str



chain nodes :

7 8 9 10 11 50 51 52 53 54 55 56 57 64

ring nodes :

1 2 3 4 5 6 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

27

28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46

47

chain bonds :

5-7 7-8 8-9 8-10 10-64 11-13 26-50 32-51 38-56 44-54 51-57 52-56

53-55

54-55

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19

18-23

19-20 20-21 21-22 22-23 24-25 24-29 25-26 26-27 27-28 28-29 30-31

30-35 31-32 32-33

33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41 42-43 42-47 43-44

44-45 45-46 46-47

exact/norm bonds :

5-7 7-8 8-10 10-64 11-13 26-50 32-51 38-56 44-54 51-57 52-56 53-55

54-55

exact bonds :

8-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19
18-23
19-20 20-21 21-22 22-23 24-25 24-29 25-26 26-27 27-28 28-29 30-31
30-35 31-32 32-33
33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41 42-43 42-47 43-44
44-45 45-46 46-47

isolated ring systems :

containing 1 : 12 : 18 : 24 : 30 : 36 : 42 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS
10:Atom
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
30:Atom 31:Atom 32:Atom
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
41:Atom 42:Atom 43:Atom
44:Atom 45:Atom 46:Atom 47:Atom 50:CLASS 51:CLASS 52:CLASS 53:CLASS
54:CLASS 55:CLASS
56:CLASS 57:CLASS 64:CLASS

Element Count :

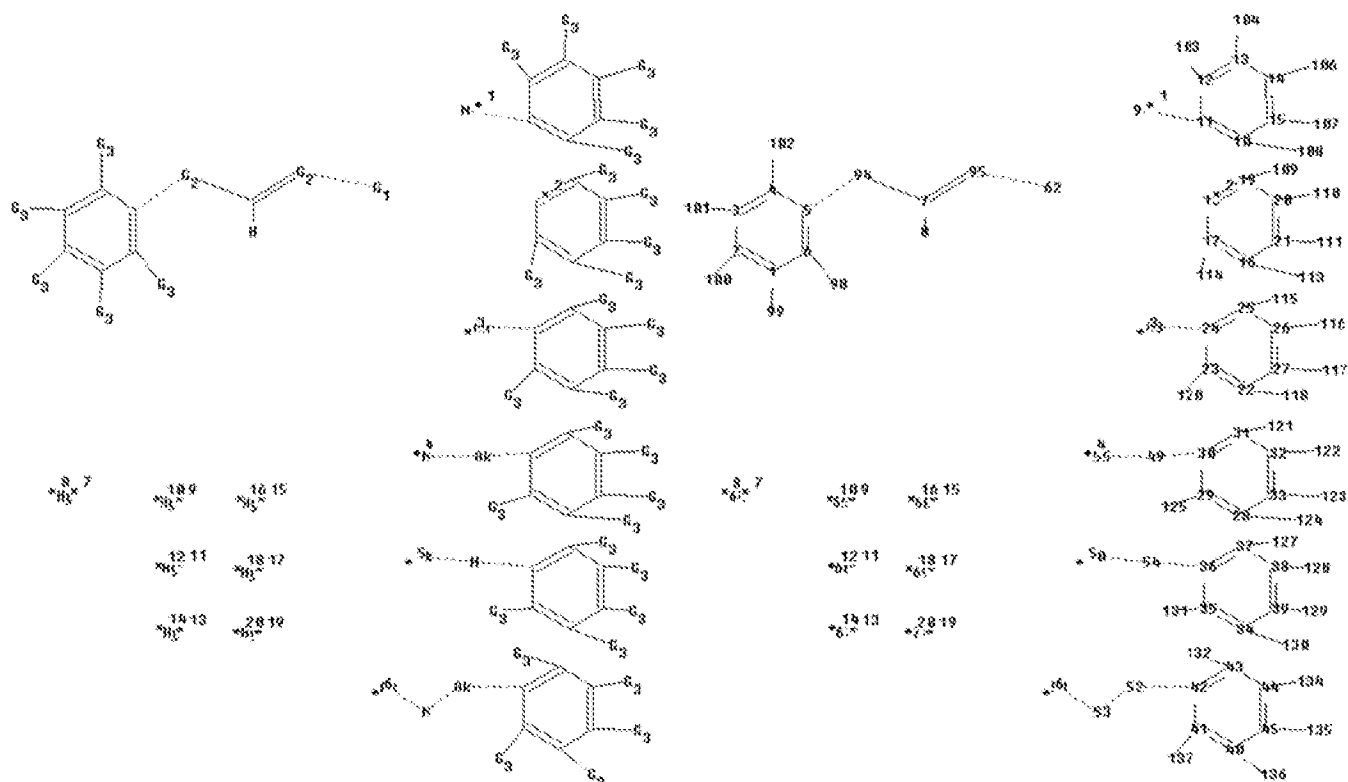
Node 7: Limited

C,C4

Node 10: Limited

C,C4

Uploading L10.str



chain nodes :

7 8 9 48 49 50 51 52 53 54 55 62 64 65 66 67 68 69 70 94
95
98 99 100 101 102 103 104 106 107 108 109 110 111 113 114 115
116 117 118 120 121
122 123 124 125 127 128 129 130 131 132 134 135 136 137

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
45

chain bonds :

1-99 2-100 3-101 4-102 5-94 6-98 7-8 7-95 7-94 9-11 10-108 12-103
13-104
14-106 15-107 16-113 17-114 19-109 20-110 21-111 22-118 23-120 24-48
25-115 26-116
27-117 28-124 29-125 30-49 31-121 32-122 33-123 34-130 35-131 36-54
37-127 38-128 39-129
40-136 41-137 42-52 43-132 44-134 45-135 49-55 50-54 51-53 52-53
62-95

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 16-17
16-21
17-18 18-19 19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27 28-29
28-33 29-30 30-31
31-32 32-33 34-35 34-39 35-36 36-37 37-38 38-39 40-41 40-45 41-42
42-43 43-44 44-45

exact/norm bonds :

```

1-99  2-100  3-101  4-102  5-94  6-98  7-95  7-94  9-11  10-108  12-103  13-
104
14-106  15-107  16-113  17-114  19-109  20-110  21-111  22-118  23-120  24-48
25-115  26-116  27-117
28-124  29-125  30-49  31-121  32-122  33-123  34-130  35-131  36-54  37-127
38-128  39-129  40-136
41-137  42-52  43-132  44-134  45-135  49-55  50-54  51-53  52-53  62-95
exact bonds :
7-8
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  10-11  10-15  11-12  12-13  13-14  14-15  16-17
16-21
17-18  18-19  19-20  20-21  22-23  22-27  23-24  24-25  25-26  26-27  28-29
28-33  29-30  30-31
31-32  32-33  34-35  34-39  35-36  36-37  37-38  38-39  40-41  40-45  41-42
42-43  43-44  44-45

isolated ring systems :
containing 1 : 10 : 16 : 22 : 28 : 34 : 40 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]

G2:[*7-*8],[*9-*10],[*11-*12],[*13-*14],[*15-*16],[*17-*18],[*19-*20]

G3:H,CO2H,X,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
30:Atom 31:Atom 32:Atom
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
41:Atom 42:Atom 43:Atom
44:Atom 45:Atom 48:CLASS 49:CLASS 50:CLASS 51:CLASS 52:CLASS 53:CLASS
54:CLASS 55:CLASS
62:CLASS 64:Atom 65:Atom 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom
94:CLASS 95:CLASS 98:CLASS
99:CLASS 100:CLASS 101:CLASS 102:CLASS 103:CLASS 104:CLASS 106:CLASS
107:CLASS 108:CLASS
109:CLASS 110:CLASS 111:CLASS 113:CLASS 114:CLASS 115:CLASS 116:CLASS
117:CLASS 118:CLASS
120:CLASS 121:CLASS 122:CLASS 123:CLASS 124:CLASS 125:CLASS 127:CLASS
128:CLASS 129:CLASS
130:CLASS 131:CLASS 132:CLASS 134:CLASS 135:CLASS 136:CLASS 137:CLASS
Generic attributes :
64:
Number of Hetero Atoms : Exactly 1

Element Count :
Node 64: Limited
C,C4

Node 65: Limited
C,C3

```

O,O2
S,S0
N,N0

Node 66: Limited

C,C3
S,S2
N,N0
O,O0

Node 67: Limited

C,C3
N,N2
S,S0
O,O0

Node 68: Limited

C,C3
O,O1
S,S1
N,N0

Node 69: Limited

C,C3
O,O1
N,N1
S,S0

Node 70: Limited

C,C3
S,S1
N,N1
O,O0

=> file zcaplus

FILE 'ZCAPLUS' ENTERED AT 15:38:04 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS is strictly prohibited.

FILE COVERS 1907 - 1 Jul 2011 VOL 155 ISS 2
FILE LAST UPDATED: 30 Jun 2011 (20110630/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2011

ZCPlus now includes complete International Patent Classification (IPC)
reclassification data for the first quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d stat que L30
L3 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L6 SCR 1841
L8 SCR 1868
L10 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L12 SCR 1856
L14 11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND
L12)
L15 860 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L14
L16 2433401 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (THU OR DMA OR PAC
OR
PKT OR BAC OR FFD)/RL
L17 161 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L15 (L) L16
L18 152562 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LEUKAEM? OR
?LEUKEM?

L19 576770 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CANCER?
L20 877331 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?TUMOR? OR ?TUMOUR?
L21 66514 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?SARCOMA?
L22 719005 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?NEOPLAS?
L23 402782 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CARCINO?
L24 58245 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LYMPHOMA?
L25 31008 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MYELOM?
L26 52115 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MELANOM?
L27 75368 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?ANGIOGEN?
L28 440494 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?PROLIFERAT?
L29 146276 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON FIBROTIC? OR
?FIBROSIS
? OR AUTOIMMUN? OR AUTO IMMUN?
L30 52 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L17 AND (L18 OR L19
OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
L28
OR L29)

=> d stat que L37
L3 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L6 SCR 1841
L8 SCR 1868
L10 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L12 SCR 1856
L14 11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND
L12)
L15 860 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L14
L16 2433401 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (THU OR DMA OR PAC
OR
PKT OR BAC OR FFD)/RL
L17 161 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L15 (L) L16
L18 152562 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LEUKAEM? OR
?LEUKEM?

L19 576770 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CANCER?
L20 877331 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?TUMOR? OR ?TUMOUR?
L21 66514 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?SARCOMA?
L22 719005 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?NEOPLAS?
L23 402782 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CARCINO?
L24 58245 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LYMPHOMA?
L25 31008 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MYELOM?
L26 52115 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MELANOM?
L27 75368 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?ANGIOGEN?
L28 440494 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?PROLIFERAT?
L29 146276 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON FIBROTIC? OR
?FIBROSIS

? OR AUTOIMMUN? OR AUTO IMMUN?
L30 52 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L17 AND (L18 OR L19
OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR

L28

OR L29)

L32 327 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L14/P
L35 19 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L32 AND (L18 OR L19
OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR

L28

OR L29)

L36 17 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L35 AND L30
L37 2 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L35 NOT L36

=> d stat que L41

L3 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L6 SCR 1841
L8 SCR 1868
L10 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

```
L12          SCR 1856
L14          11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND
L12)
L15          860 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L14
L16          2433401 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (THU OR DMA OR PAC
OR
                PKT OR BAC OR FFD)/RL
L17          161 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L15 (L) L16
L18          152562 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?LEUKAEM? OR
?LEUKEM?

L19          576770 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?CANCER?
L20          877331 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?TUMOR? OR ?TUMOUR?
L21          66514 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?SARCOMA?
L22          719005 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?NEOPLAS?
L23          402782 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?CARCINO?
L24          58245 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?LYMPHOMA?
L25          31008 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?MYELOM?
L26          52115 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?MELANOM?
L27          75368 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?ANGIOGEN?
L28          440494 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?PROLIFERAT?
L29          146276 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  FIBROTIC? OR
?FIBROSIS
                ? OR AUTOIMMUN? OR AUTO IMMUN?
L30          52 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L17 AND (L18 OR L19
OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
L28
                OR L29)
L38          21 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L17 AND P/DT AND
(PRD<20031212 OR AD<20031212 OR PD<20031212)
L39          10 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (L17 NOT P/DT) AND
PY<2004
L40          31 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (L38 OR L39)
L41          14 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L40 AND L30
```

=> d stat que L54

```
L3          STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

Structure attributes must be viewed using STN Express query preparation.

```
L6          SCR 1841
L8          SCR 1868
L10         STR
```

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

```
L12          SCR 1856
L14          11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND
L12)
L15          860 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L14
L16          2433401 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (THU OR DMA OR PAC
OR
                PKT OR BAC OR FFD)/RL
```

```

L17          161 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L15 (L) L16
L18        152562 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?LEUKAEM? OR
?LEUKEM?

L19        576770 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?CANCER?
L20        877331 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?TUMOR? OR ?TUMOUR?
L21         66514 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?SARCOMA?
L22        719005 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?NEOPLAS?
L23        402782 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?CARCINO?
L24         58245 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?LYMPHOMA?
L25         31008 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?MYELOM?
L26         52115 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?MELANOM?
L27         75368 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?ANGIOGEN?
L28        440494 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  ?PROLIFERAT?
L29        146276 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  FIBROTIC? OR
?FIBROSIS

                ? OR AUTOIMMUN? OR AUTO IMMUN?
L45         327 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L15 (L) PREP/RL
L46         268 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L45 NOT L17
L47          2 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L46 AND PHARM?
L51          2 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L46 AND DRUG?
L53          4 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L47 OR L51
L54          1 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L53 AND (L18 OR L19
OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
L28
OR L29)

=> d stat que L62
L3          STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.
L6          SCR 1841
L8          SCR 1868
L10         STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
L12         SCR 1856
L14        11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND
L12)
L15         860 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L14
L16        2433401 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (THU OR DMA OR PAC
OR
PKT OR BAC OR FFD)/RL
L17         161 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  L15 (L) L16
L57         2248 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  P56?
L58        61302 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  TYROSINE KINASE?
L62          7 SEA FILE=ZCAPLUS SPE=ON  ABB=ON  PLU=ON  (L57 OR L58) AND L17

=> s L30 or L37 or L41 or L54 or L62
L89         59 L30 OR L37 OR L41 OR L54 OR L62

```

FILE 'REGISTRY' ENTERED AT 15:42:37 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 American Chemical Society (ACS)

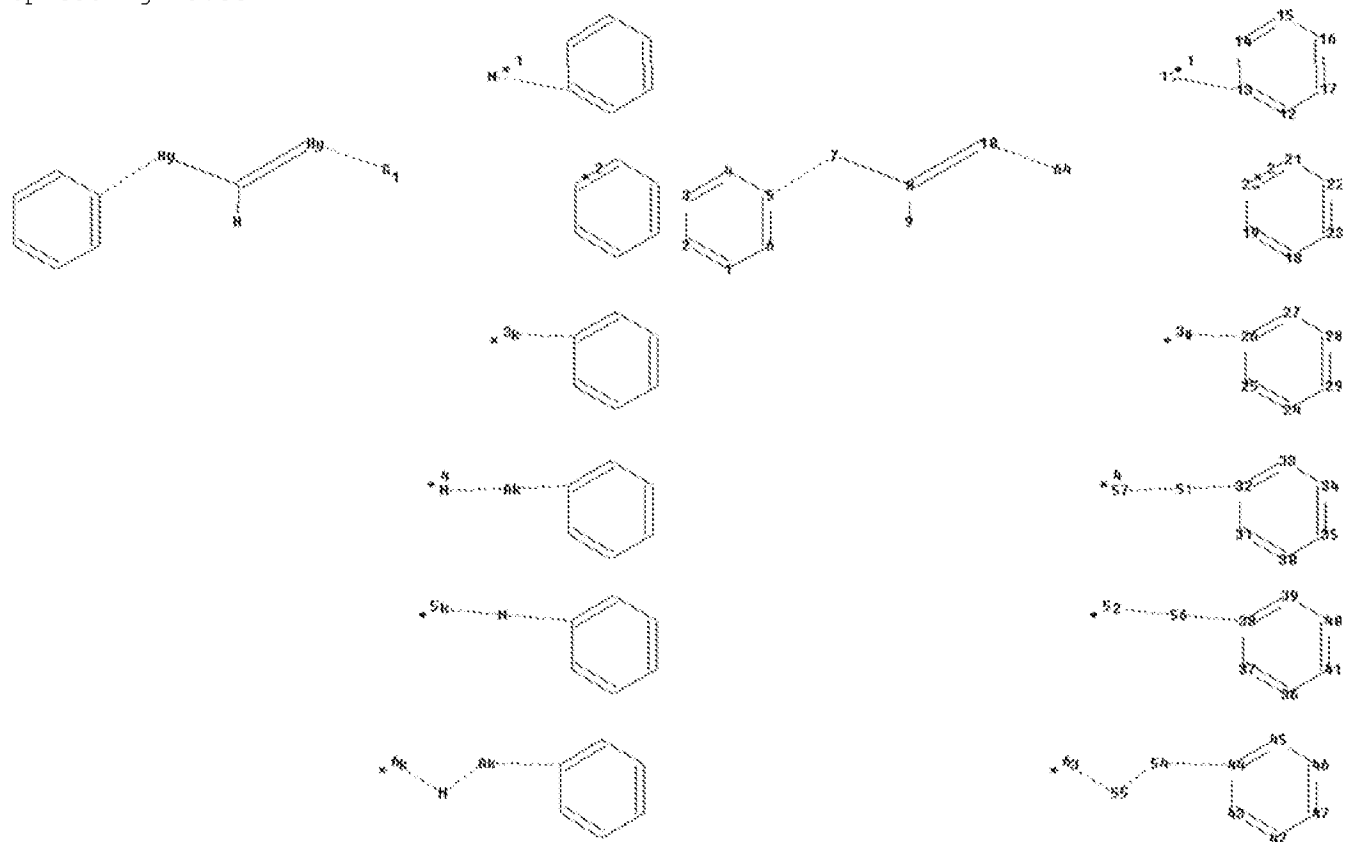
```
STRUCTURE FILE UPDATES: 30 JUN 2011 HIGHEST RN 1311030-93-9
DICTIONARY FILE UPDATES: 30 JUN 2011 HIGHEST RN 1311030-93-9
```

<http://www.cas.org/legal/infopolicy.html>

Please note that search-term pricing does apply when conducting SmartSELECT searches.

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
Uploading L3.str
```



```

chain nodes :
7 8 9 10 11 50 51 52 53 54 55 56 57 64
ring nodes :
1 2 3 4 5 6 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
27
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46
47
chain bonds :
5-7 7-8 8-9 8-10 10-64 11-13 26-50 32-51 38-56 44-54 51-57 52-56
53-55
54-55
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19
18-23
19-20 20-21 21-22 22-23 24-25 24-29 25-26 26-27 27-28 28-29 30-31
30-35 31-32 32-33
33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41 42-43 42-47 43-44
44-45 45-46 46-47

exact/norm bonds :
5-7 7-8 8-10 10-64 11-13 26-50 32-51 38-56 44-54 51-57 52-56 53-55
54-55

exact bonds :
8-9
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 18-19
18-23
19-20 20-21 21-22 22-23 24-25 24-29 25-26 26-27 27-28 28-29 30-31
30-35 31-32 32-33
33-34 34-35 36-37 36-41 37-38 38-39 39-40 40-41 42-43 42-47 43-44
44-45 45-46 46-47

isolated ring systems :
containing 1 : 12 : 18 : 24 : 30 : 36 : 42 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]

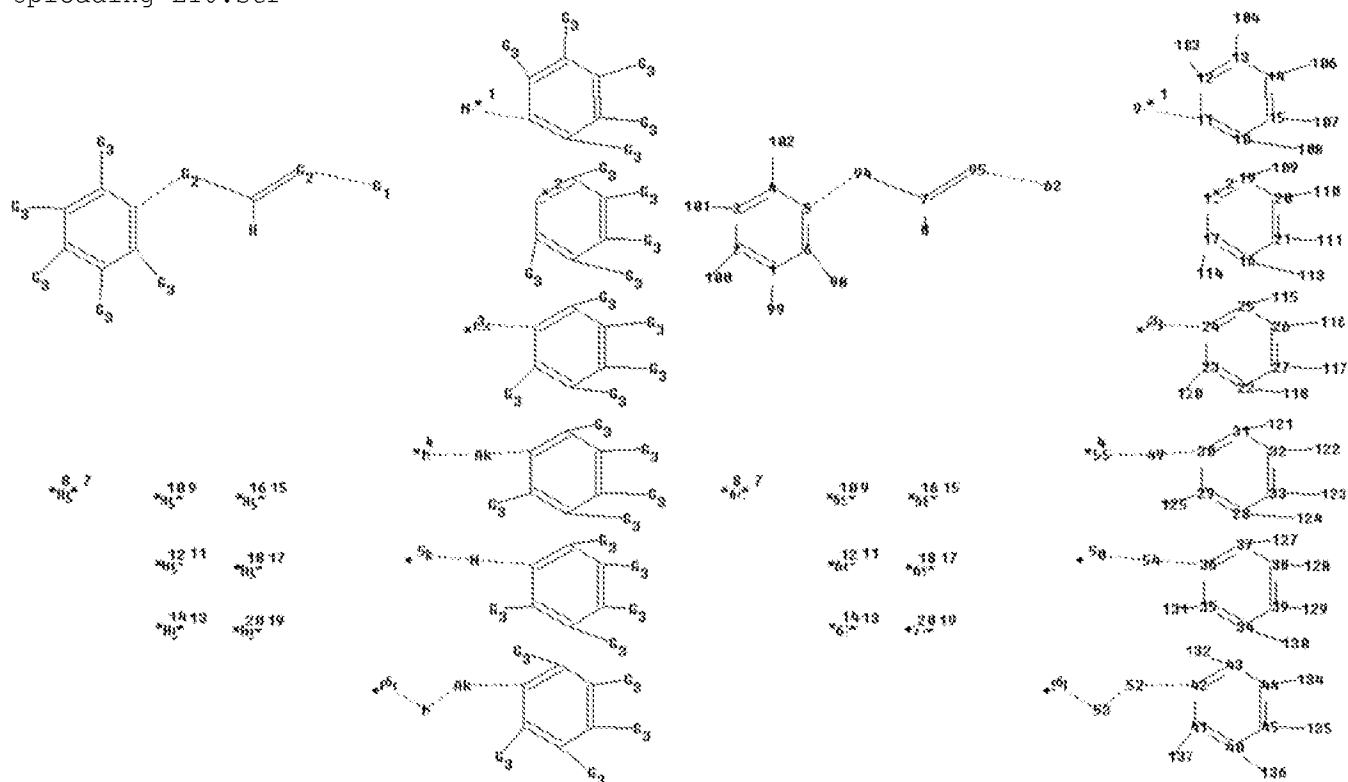
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:CLASS
10:Atom
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
30:Atom 31:Atom 32:Atom
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
41:Atom 42:Atom 43:Atom
44:Atom 45:Atom 46:Atom 47:Atom 50:CLASS 51:CLASS 52:CLASS 53:CLASS
54:CLASS 55:CLASS
56:CLASS 57:CLASS 64:CLASS
Element Count :
Node 7: Limited
      C,C4

Node 10: Limited

```

C,C4

Uploading L10.str



chain nodes :

7 8 9 48 49 50 51 52 53 54 55 62 64 65 66 67 68 69 70 94
95
98 99 100 101 102 103 104 106 107 108 109 110 111 113 114 115
116 117 118 120 121
122 123 124 125 127 128 129 130 131 132 134 135 136 137

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
25
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
45

chain bonds :

1-99 2-100 3-101 4-102 5-94 6-98 7-8 7-95 7-94 9-11 10-108 12-103
13-104
14-106 15-107 16-113 17-114 19-109 20-110 21-111 22-118 23-120 24-48
25-115 26-116
27-117 28-124 29-125 30-49 31-121 32-122 33-123 34-130 35-131 36-54
37-127 38-128 39-129
40-136 41-137 42-52 43-132 44-134 45-135 49-55 50-54 51-53 52-53
62-95

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 16-17

```

16-21
17-18 18-19 19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27 28-29
28-33 29-30 30-31
31-32 32-33 34-35 34-39 35-36 36-37 37-38 38-39 40-41 40-45 41-42
42-43 43-44 44-45

exact/norm bonds :
1-99 2-100 3-101 4-102 5-94 6-98 7-95 7-94 9-11 10-108 12-103 13-
104
14-106 15-107 16-113 17-114 19-109 20-110 21-111 22-118 23-120 24-48
25-115 26-116 27-117
28-124 29-125 30-49 31-121 32-122 33-123 34-130 35-131 36-54 37-127
38-128 39-129 40-136
41-137 42-52 43-132 44-134 45-135 49-55 50-54 51-53 52-53 62-95
exact bonds :
7-8
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15 16-17
16-21
17-18 18-19 19-20 20-21 22-23 22-27 23-24 24-25 25-26 26-27 28-29
28-33 29-30 30-31
31-32 32-33 34-35 34-39 35-36 36-37 37-38 38-39 40-41 40-45 41-42
42-43 43-44 44-45

isolated ring systems :
containing 1 : 10 : 16 : 22 : 28 : 34 : 40 :

G1:[*1],[*2],[*3],[*4],[*5],[*6]

G2:[*7-*8],[*9-*10],[*11-*12],[*13-*14],[*15-*16],[*17-*18],[*19-*20]

G3:H,CO2H,X,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS
10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom
30:Atom 31:Atom 32:Atom
33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom
41:Atom 42:Atom 43:Atom
44:Atom 45:Atom 48:CLASS 49:CLASS 50:CLASS 51:CLASS 52:CLASS 53:CLASS
54:CLASS 55:CLASS
62:CLASS 64:Atom 65:Atom 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom
94:CLASS 95:CLASS 98:CLASS
99:CLASS 100:CLASS 101:CLASS 102:CLASS 103:CLASS 104:CLASS 106:CLASS
107:CLASS 108:CLASS
109:CLASS 110:CLASS 111:CLASS 113:CLASS 114:CLASS 115:CLASS 116:CLASS
117:CLASS 118:CLASS
120:CLASS 121:CLASS 122:CLASS 123:CLASS 124:CLASS 125:CLASS 127:CLASS
128:CLASS 129:CLASS
130:CLASS 131:CLASS 132:CLASS 134:CLASS 135:CLASS 136:CLASS 137:CLASS
Generic attributes :
64:
Number of Hetero Atoms : Exactly 1

```

Element Count :
Node 64: Limited
C,C4

Node 65: Limited
C,C3
O,O2
S,S0
N,N0

Node 66: Limited
C,C3
S,S2
N,N0
O,O0

Node 67: Limited
C,C3
N,N2
S,S0
O,O0

Node 68: Limited
C,C3
O,O1
S,S1
N,N0

Node 69: Limited
C,C3
O,O1
N,N1
S,S0

Node 70: Limited
C,C3
S,S1
N,N1
O,O0

=> file zcaplus
FILE 'ZCAPLUS' ENTERED AT 15:42:39 ON 01 JUL 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2011 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the

American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS is strictly prohibited.

FILE COVERS 1907 - 1 Jul 2011 VOL 155 ISS 2
FILE LAST UPDATED: 30 Jun 2011 (20110630/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2011
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2011

ZCPlus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2011.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d stat que L42
L3 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L6 SCR 1841
L8 SCR 1868
L10 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L12 SCR 1856
L14 11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND L12)
L15 860 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L14
L16 2433401 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (THU OR DMA OR PAC OR
PKT OR BAC OR FFD)/RL
L17 161 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L15 (L) L16
L18 152562 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LEUKAEM? OR
?LEUKEM?
L19 576770 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CANCER?
L20 877331 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?TUMOR? OR ?TUMOUR?
L21 66514 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?SARCOMA?
L22 719005 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?NEOPLAS?
L23 402782 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CARCINO?
L24 58245 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LYMPHOMA?
L25 31008 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MYELOM?
L26 52115 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MELANOM?
L27 75368 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?ANGIOGEN?
L28 440494 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?PROLIFERAT?
L29 146276 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON FIBROTIC? OR
?FIBROSIS
? OR AUTOIMMUN? OR AUTO IMMUN?
L30 52 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L17 AND (L18 OR L19

OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
L28
OR L29)
L38 21 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L17 AND P/DT AND
(PRD<20031212 OR AD<20031212 OR PD<20031212)
L39 10 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (L17 NOT P/DT) AND
PY<2004
L40 31 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (L38 OR L39)
L41 14 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L40 AND L30
L42 17 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L40 NOT L41

=> d stat que L55

L3 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L6 SCR 1841

L8 SCR 1868

L10 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L12 SCR 1856

L14 11694 SEA FILE=REGISTRY SSS FUL (L3 AND L10) AND (L6 AND L8 AND
L12)

L15 860 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L14

L16 2433401 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON (THU OR DMA OR PAC
OR

PKT OR BAC OR FFD)/RL

L17 161 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L15 (L) L16

L18 152562 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LEUKAEM? OR
?LEUKEM?

L19 576770 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CANCER?

L20 877331 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?TUMOR? OR ?TUMOUR?

L21 66514 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?SARCOMA?

L22 719005 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?NEOPLAS?

L23 402782 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?CARCINO?

L24 58245 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?LYMPHOMA?

L25 31008 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MYELOM?

L26 52115 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?MELANOM?

L27 75368 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?ANGIOGEN?

L28 440494 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON ?PROLIFERAT?

L29 146276 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON FIBROTIC? OR
?FIBROSIS

? OR AUTOIMMUN? OR AUTO IMMUN?

L45 327 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L15 (L) PREP/RL

L46 268 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L45 NOT L17

L47 2 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L46 AND PHARM?

L51 2 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L46 AND DRUG?

L53 4 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L47 OR L51

L54 1 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L53 AND (L18 OR L19
OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR

L28
OR L29)

L55 3 SEA FILE=ZCAPLUS SPE=ON ABB=ON PLU=ON L53 NOT L54

=> s L42 or L55

L90 20 L42 OR L55

=> d iall hitstr L90 1-20